

Figure 1 - The basic block diagram of a single-element controlled parasitic antenna (CPA).

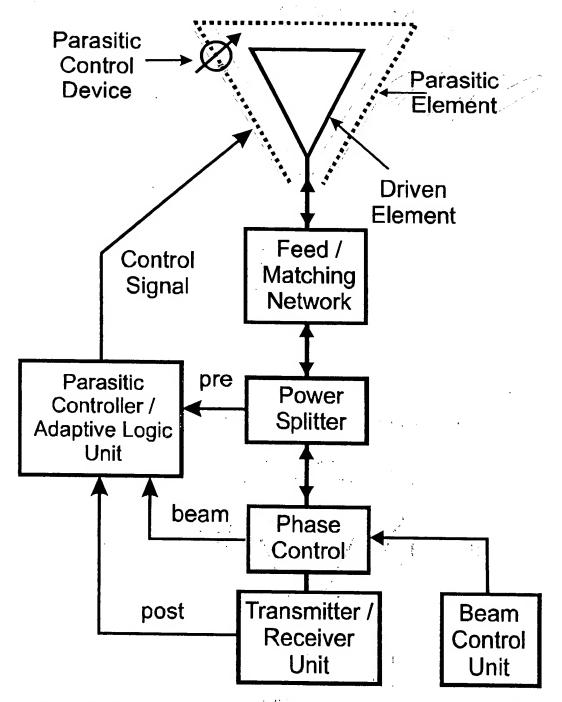


Figure 2 - General block diagram for a single-element controlled parasitic antenna (CPA) element that might be used as an individual element in a phased array.

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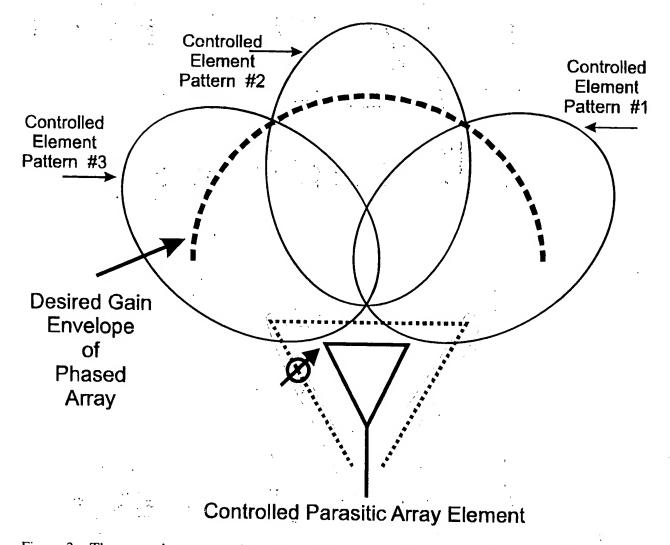


Figure 3 – The general representation of how the element pattern of an individual element in a phased array is controlled so the phased array can be scanned to that direction.

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Figure 4 - Simplified phased array concept made up of N parasitically controlled elements.

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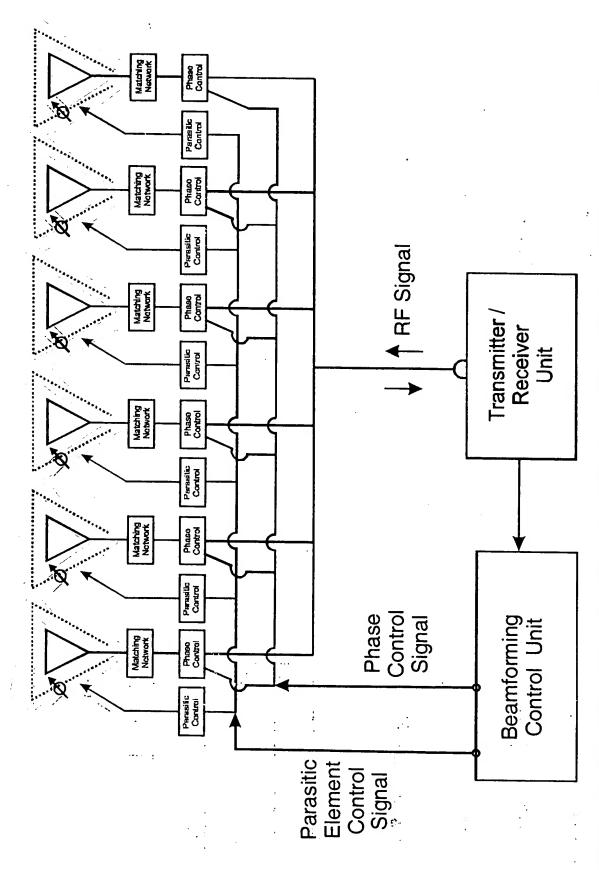


Figure 5 - Simplified phased array concept made up of parasitically controlled elements all controlled from a single beamforming control unit and corporate fed into a transmit / receive module. This can also represent a single subarray for a larger array.

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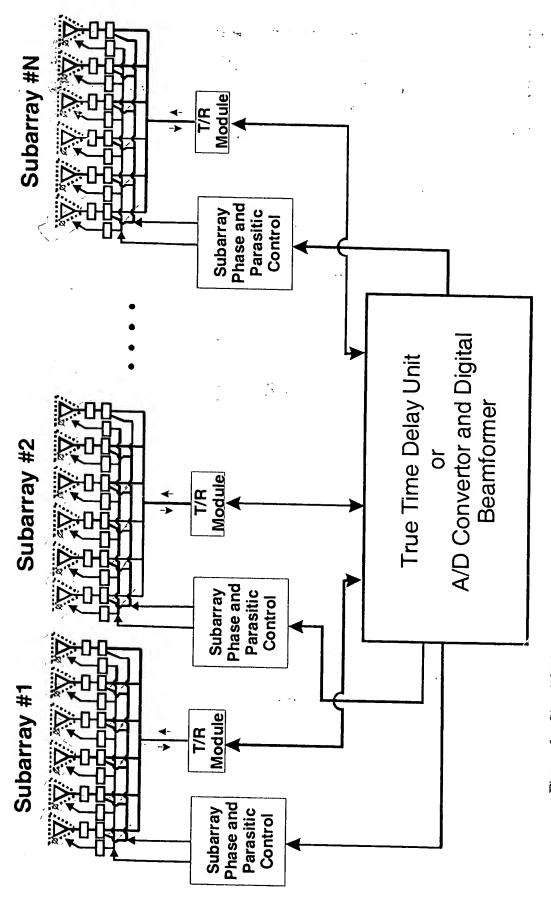


Figure 6 - Simplified phased array concept made up of parasitically controlled elements in N subarrays.

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